

(19)



JAPANESE PATENT OFFICE

## PATENT ABSTRACTS OF JAPAN

(11) Publication number: 11191790 A

(43) Date of publication of application: 13 . 07 . 99

(51) Int. Cl.

H04L 12/66

H04L 12/28

H04L 29/10

(21) Application number: 09358086

(22) Date of filing: 25 . 12 . 97

(71) Applicant: FURUKAWA ELECTRIC CO LTD:THE

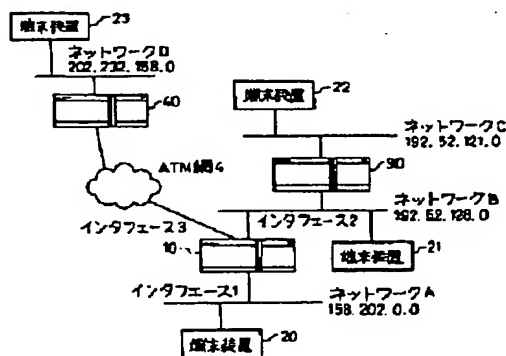
(72) Inventor: YAMAKAWA HIROYUKI  
NAKAMURA MAKOTO(54) COMMUNICATION DATA PROCESSING METHOD  
AND INTER-NETWORK CONNECTION DEVICE

## (57) Abstract:

**PROBLEM TO BE SOLVED:** To simplify the discrimination processing for routing.

**SOLUTION:** In this communication data processing method by a router 10 that applies prescribed data processing based on a destination address of received data and relays the data among networks A, B, C or D, the router 10 has separate IP addresses for routing and its own device destination and MAC addresses corresponding to them. The router 10 discriminates whether a destination MAC address of a frame received by the data link layer is for a routing or for its own device destination. In the case of the routing MAC address, the data are subject to relay processing to attain efficient discrimination processing for routing.

COPYRIGHT: (C)1999,JPO



# This Page Blank (uspto)

DOCKET NO: G2R99P2038P  
SERIAL NO: \_\_\_\_\_  
APPLICANT: Werner Stoedeketal

**LERNER AND GREENBERG P.A.**  
P.O. BOX 2480  
HOLLYWOOD, FLORIDA 33022  
TEL. (954) 925-1100